

Figure 1

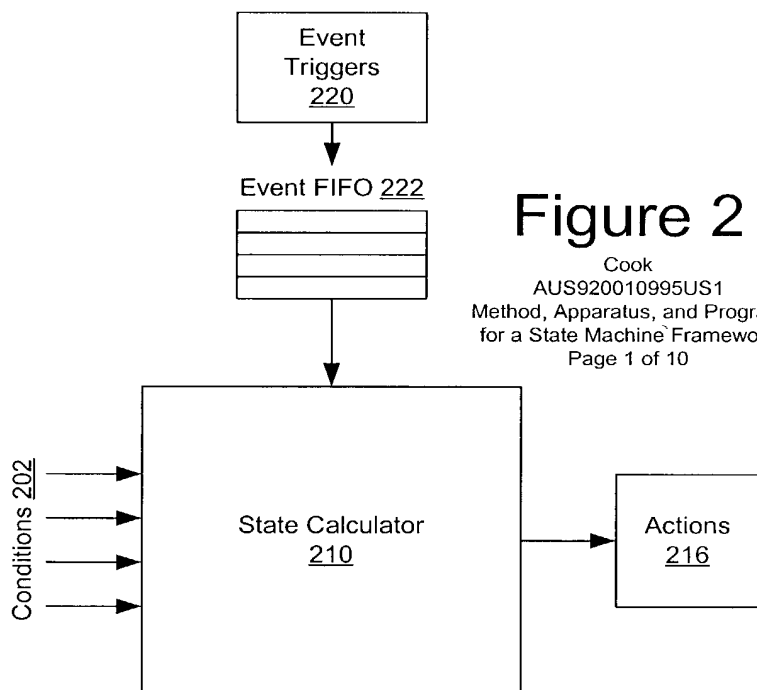
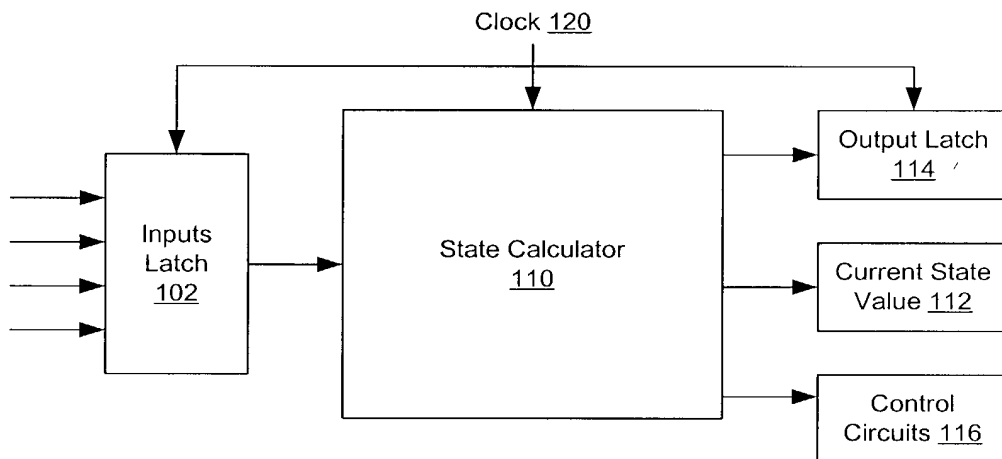
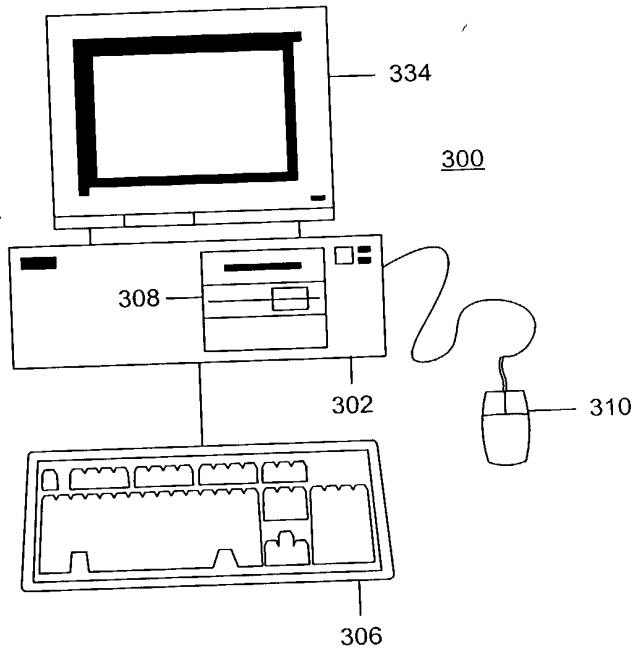


Figure 2

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Figure 3



Client  
400

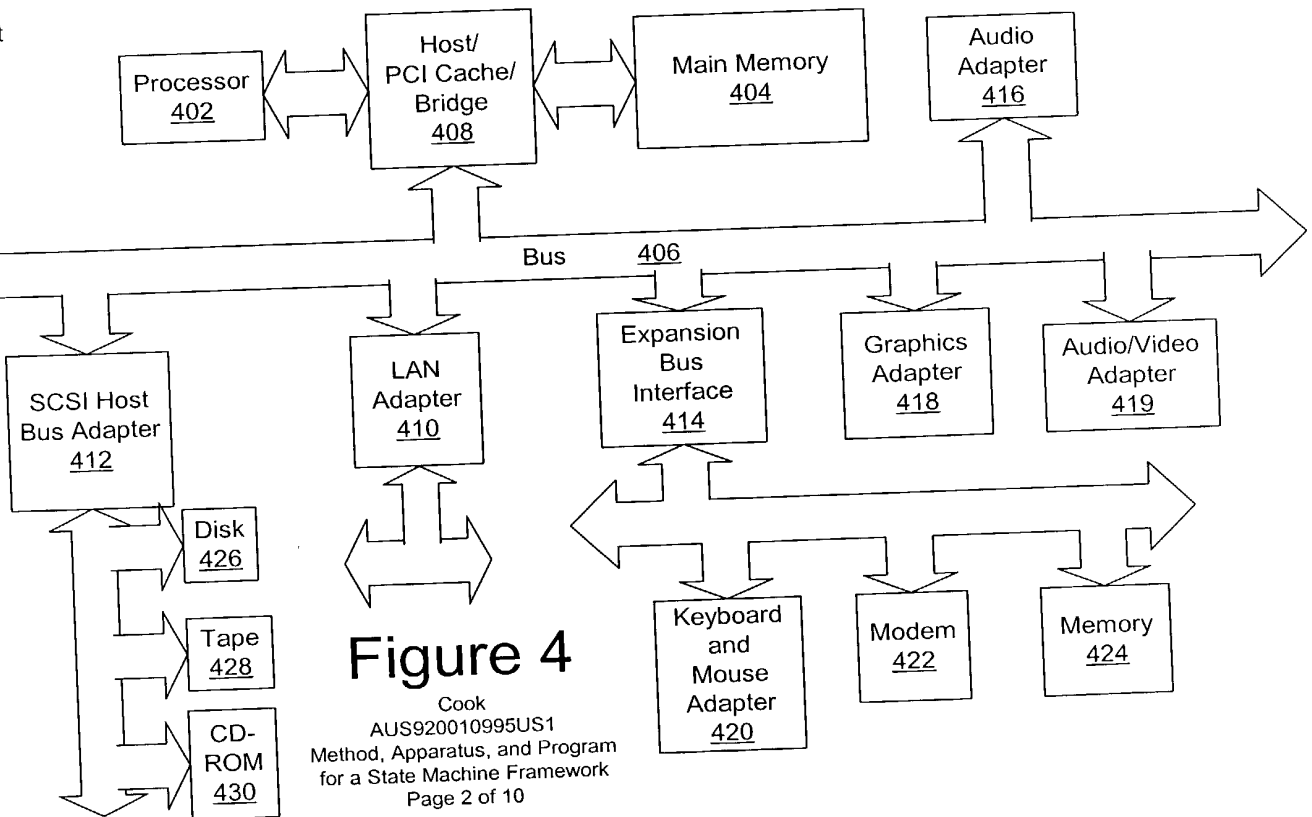


Figure 4

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Express Mail No. EL75073407US

STATES 510

| ID | Description |
|----|-------------|
| S1 | New         |
| S2 | Starting    |
| S3 | Running     |
| S4 | Paused      |
| S5 | Stopping    |
| S6 | Stopped     |
| S7 | Error       |

ACTIONS 520

| ID | Description            |
|----|------------------------|
| A1 | Start Embedded Task    |
| A2 | Stop Embedded Task     |
| A3 | Pause Trace Subsystem  |
| A4 | Resume Trace Subsystem |

INPUTS 530

| ID  | Description   |
|-----|---|
| TSV | Embedded Task State Variable {"new", "starting", "running", "stopping", "stopped", "error"} |
| CSV | Embedded Command State Variable {"no-op", "start", "stop", "pause", "resume"}               |

CONDITIONS 560

| ID  | CSV Value | TSV Value           |
|-----|-----------|---------------------|
| C1  | no-op     | new                 |
| C2  | start     | new or starting     |
| C3  | start     | running             |
| C4  | stop      | new                 |
| C5  | --        | error               |
| C6  | stop      | starting or running |
| C7  | --        | stopped             |
| C8  | resume    | running             |
| C9  | stop      | running             |
| C10 | pause     | running             |
| C11 | --        | stopping            |

EVENTS 540

| ID | Description         |
|----|---------------------|
| E1 | State Changed Event |

TRIGGERS 570

| ID | Description         |
|----|---------------------|
| T1 | State Changed Event |
| T2 | New Command Written |

**Figure 5A**

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STATE TABLE 550

| Current State/<br>Next State | S1             | S2             | S3                      | S4              | S5                 | S6             | S7             |
|------------------------------|----------------|----------------|-------------------------|-----------------|--------------------|----------------|----------------|
| S1                           | C1<br>--<br>-- | C2<br>A1<br>E1 | C3<br>--<br>E1          | X               | X                  | C4<br>--<br>E1 | C5<br>--<br>E1 |
| S2                           | X              | C2<br>--<br>-- | C3<br>A4<br>E1          | X               | C6<br>A2, A3<br>E1 | C7<br>--<br>E1 | C5<br>--<br>E1 |
| S3                           | X              | X              | C3 C8<br>-- --<br>-- -- | C10<br>A3<br>E1 | C9<br>A2, A3<br>E1 | C7<br>A3<br>E1 | C5<br>A3<br>E1 |
| S4                           | X              | X              | C8<br>A4<br>E1          | C10<br>--<br>-- | C9<br>A2, A3<br>E1 | C7<br>A3<br>E1 | C5<br>A3<br>E1 |
| S5                           | X              | X              | X                       | X               | C11<br>--<br>--    | C7<br>--<br>E1 | C5<br>--<br>E1 |
| S6                           | X              | X              | X                       | X               | X                  | C7<br>--<br>-- | X              |
| S7                           | X              | X              | X                       | X               | X                  | X              | C5<br>--<br>-- |

Figure 5B

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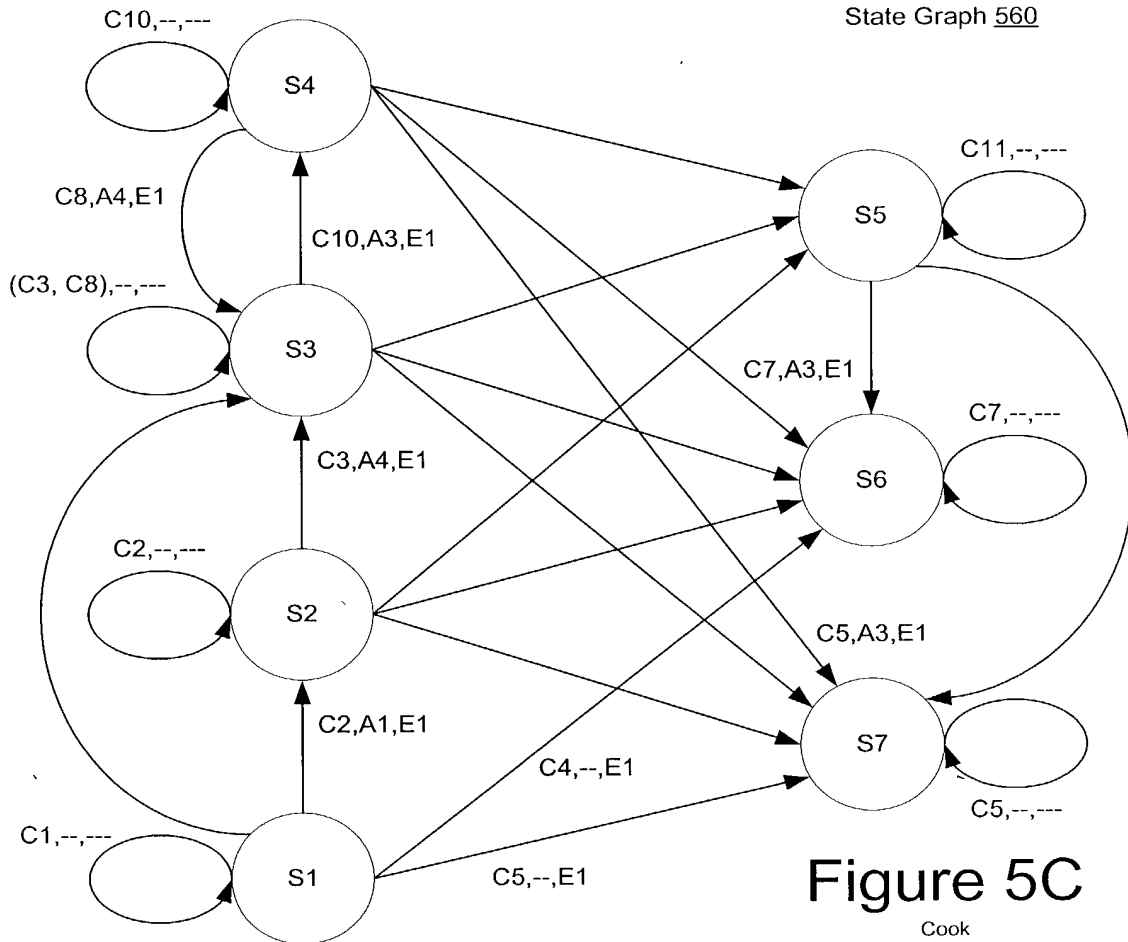


Figure 5C

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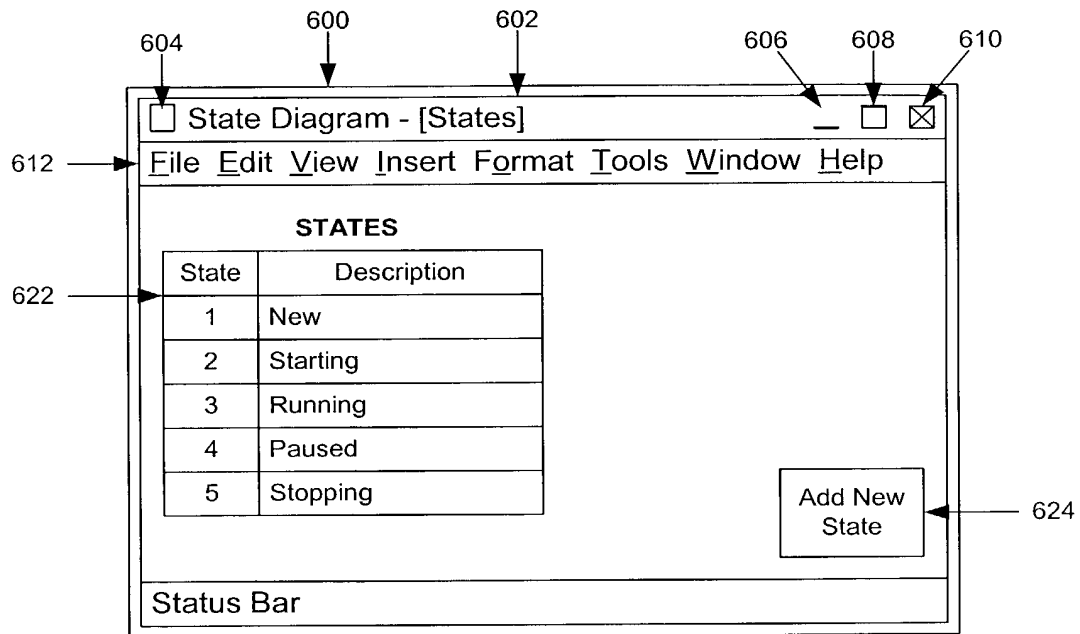


Figure 6A

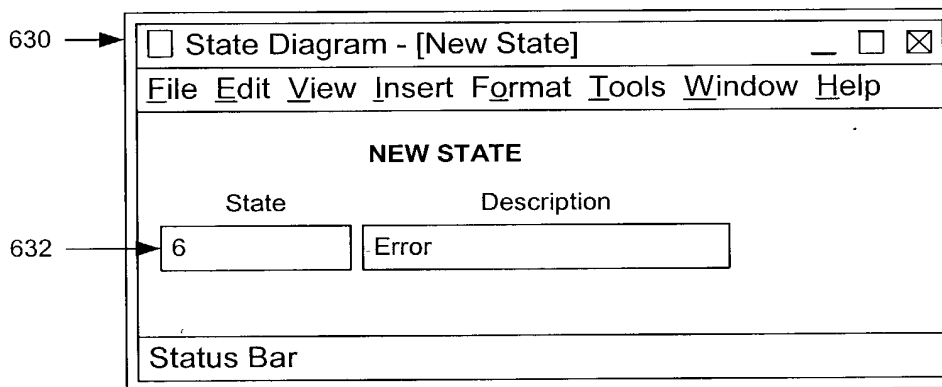


Figure 6B

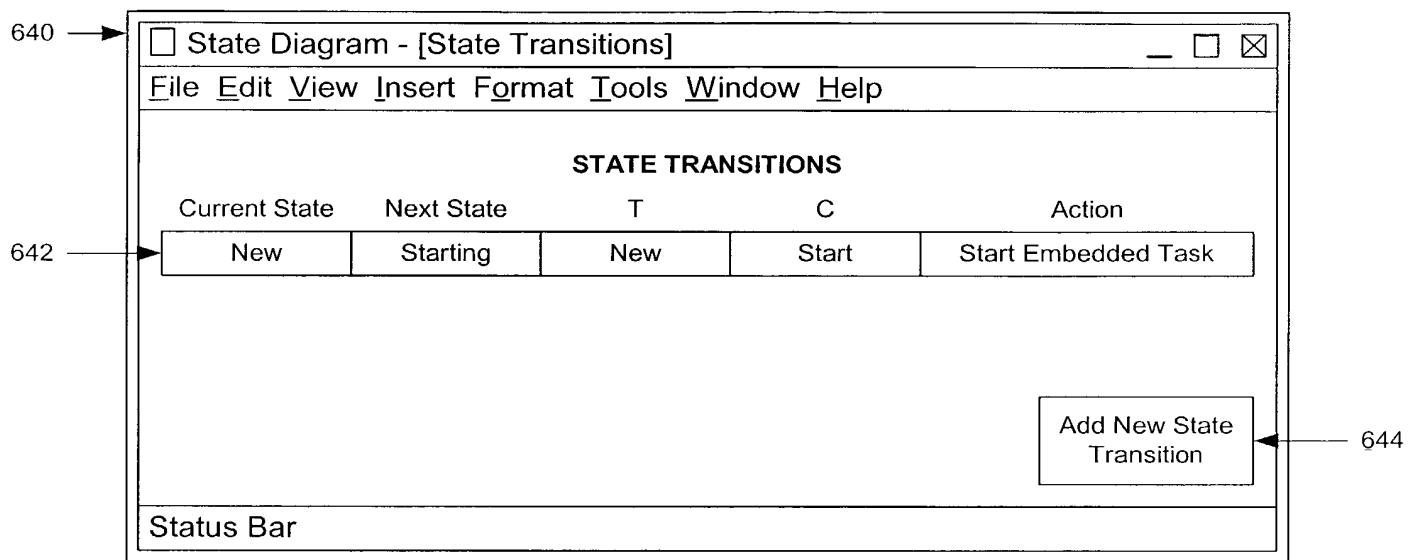


Figure 6C

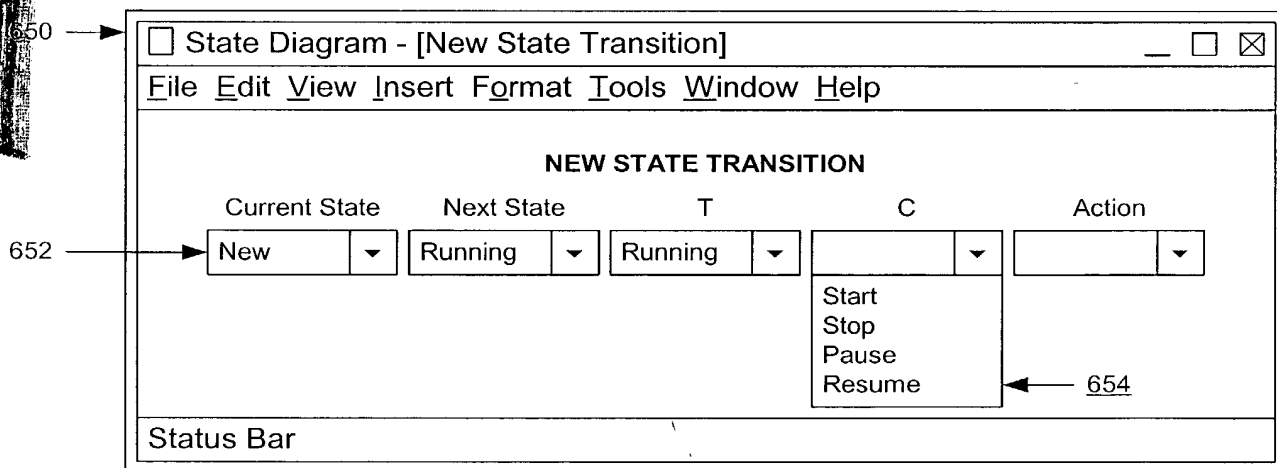


Figure 6D

Express Mail No. EL7507 37US

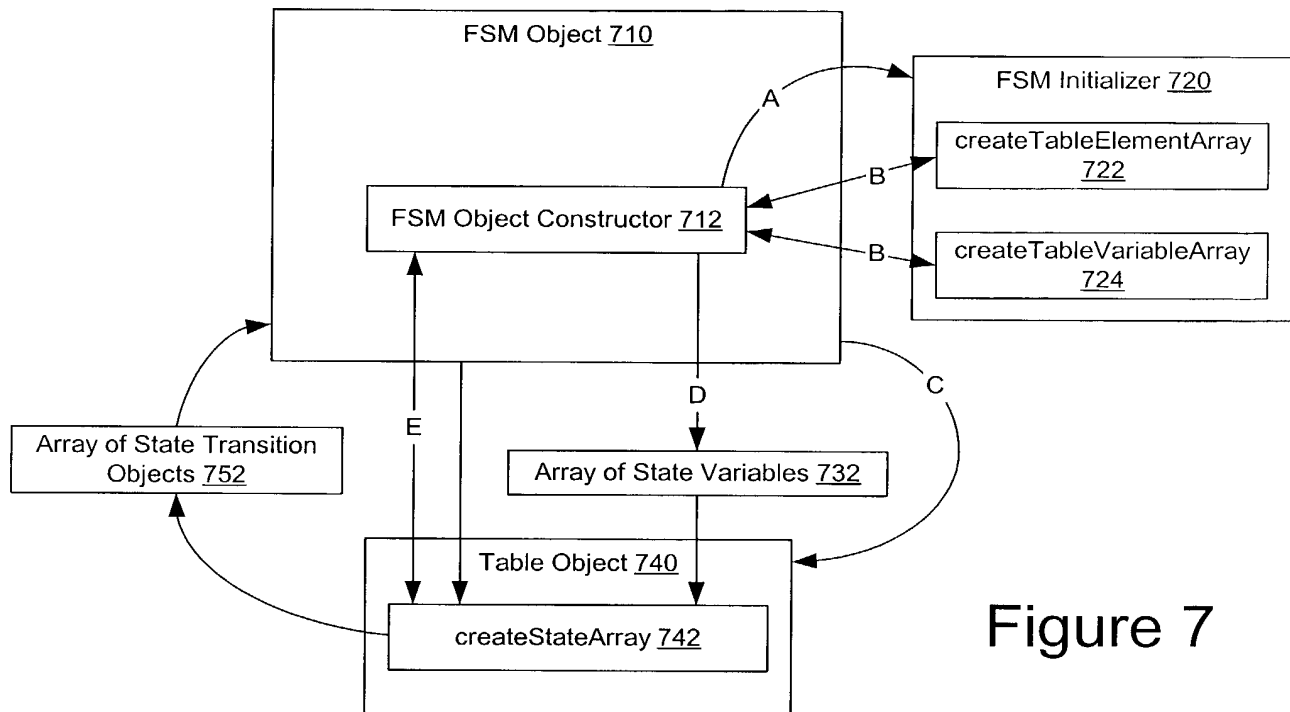
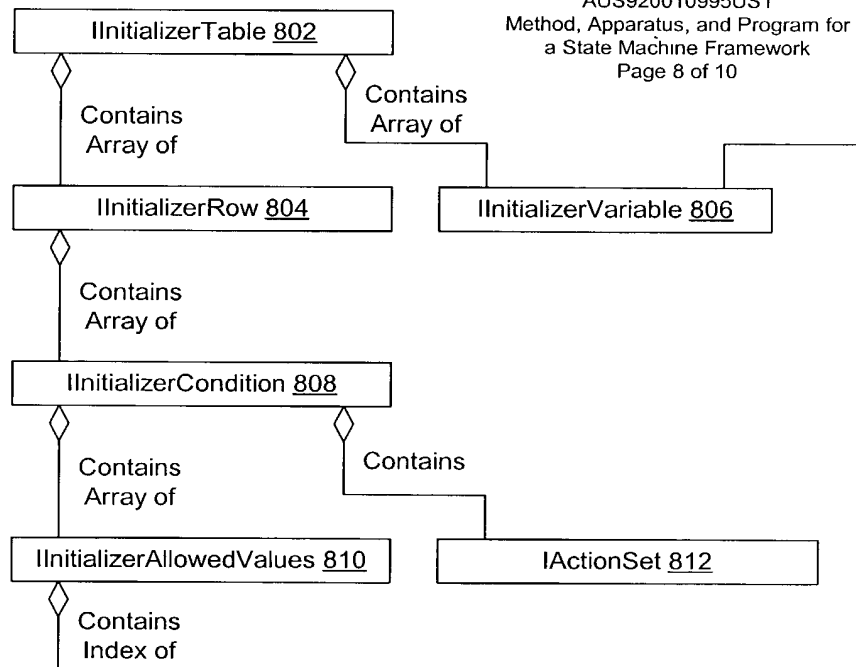


Figure 7

Figure 8A

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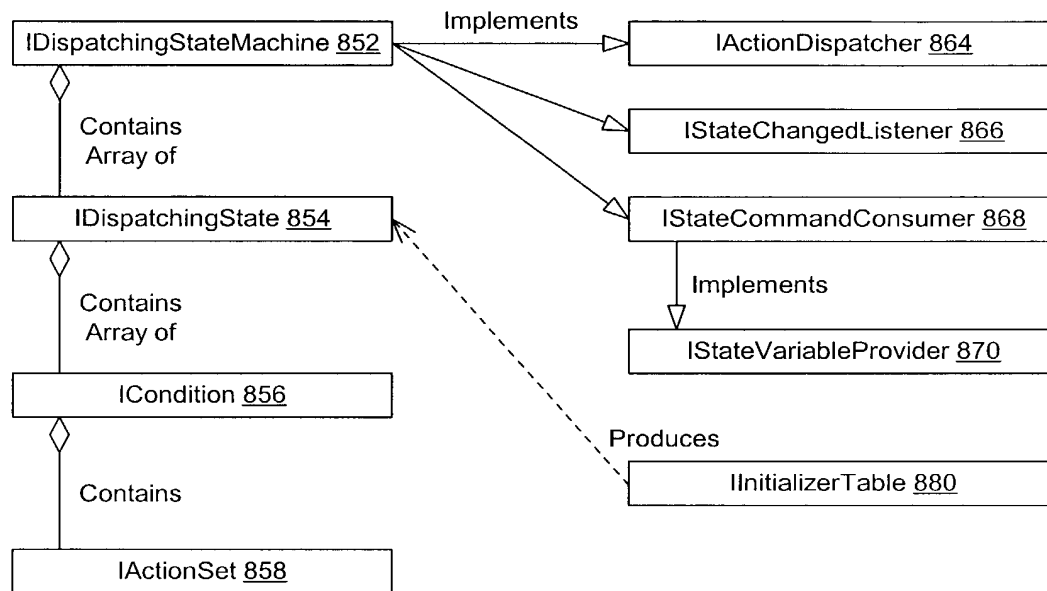


Figure 8B

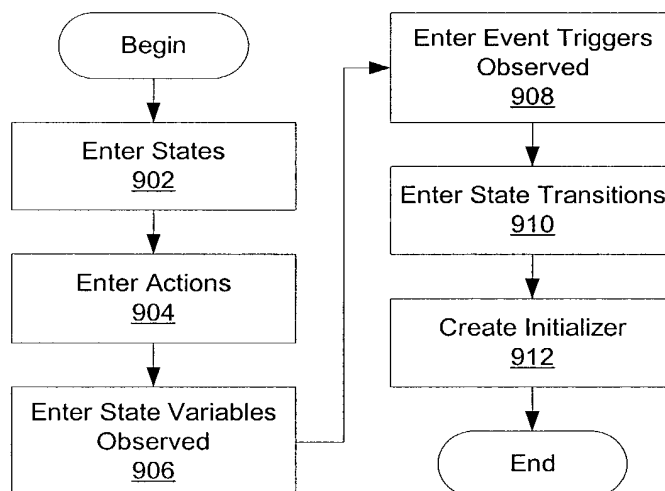


Figure 9

**Figure 10**

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